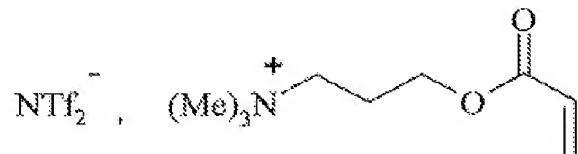


REMARKS

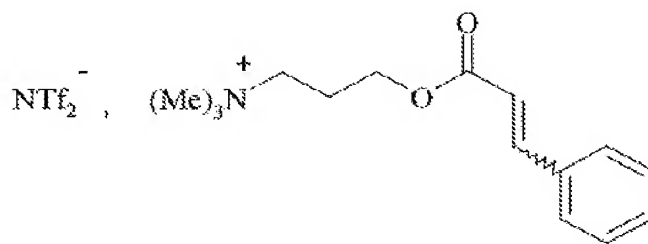
Responsive to the restriction requirement, Applicant elects Group II, claims 31-47, 49, 50, 58 and 60, involving the Heck reaction, with traverse.

Responsive to the election of species requirement, i.e., a single disclosed process where all reactants, reaction steps and products are specified, Applicant elects the Heck reaction process, with traverse. The reactants, reaction steps and products are those described in the present application at page 106, table 5, test 3, as described below:

- The reactants are phenyl iodide and the functionalized onium salt according to the following:



- The reaction involved is a Heck coupling reaction.
- The solvent is CH_3CN .
- The reaction is carried out at 100°C for 1 hour.
- The catalyst is $1\%\text{Pd}(\text{OAc})_2$
- The base is K_2CO_3 .
- The formula of the product obtained is:



E/Z ratio is >99/1.

The elected claims are readable on this elected reaction.

Traverse is made on the basis that the present invention subject matter is the use of the onium salt as soluble support for organic synthesis. Diels-Alder reaction, Suzuki coupling, Heck coupling, Grieco multi-component reaction, etc. are among the possibilities offered by this new support in organic synthesis.

The present invention should not be restricted to a specific palladium catalyzed coupling reaction because numerous examples have been produced to prove that this support is efficient in a wide range of organic synthetic transformations.

Furthermore, one skilled in the art knows that a soluble support of interest is a tool which enables more efficient and simple synthesis, and is applicable to a wide diversity of reactions and hence cannot be restricted to a very specific type of reaction.

The onium salts of the invention are highly soluble in polar solvents and easy to purify. Moreover, their chemical synthesis is straightforward and allows a broad diversity of

functionalization. Thus, onium salts constitute versatile soluble supports for organic synthesis in general and therefore their use should not be restricted to a specific reaction.

A favorable action on all claims, in their full scope, is therefore respectfully requested.

Should there be any matters that need to be resolved in the present application, the Examiner is respectfully requested to contact the undersigned at the telephone number listed below.

The Commissioner is hereby authorized in this, concurrent, and future submissions, to charge any deficiency or credit any overpayment to Deposit Account No. 25-0120 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17.

Respectfully submitted,

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